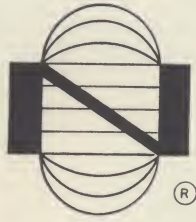


THIRD EDITION



THE
Nortronics®
TAPE HEAD
REPLACEMENT GUIDE



THE NORTRONICS COMPANY, INC. 8101 10th AVENUE NORTH MINNEAPOLIS 27, MINNESOTA

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INTRODUCTION

This is the Third Edition of THE NORTRONICS TAPE HEAD REPLACEMENT GUIDE. It includes all recorders listed in previous editions, together with Erase head replacement information on several models which were formerly shown as "not available". Any earlier editions are obsolete and should be discarded.

More than 200 additional recorders have been incorporated in the present listing, with a total of over 440 separate models being covered. This edition represents the most comprehensive gathering of tape head replacement data ever published in the history of tape recording.

To properly launch a program of this scope has required a large investment in research time, intensive cross-checking, travel, and a tremendous amount of correspondence. This was the only course we could follow to ensure the greatest possible accuracy. Even so, it would have been extremely difficult for us to bring such a widespread project to its present level without the generous cooperation we received from tape enthusiasts across the country who were kind enough to offer their own recorders for evaluation and from numerous service men who performed electrical tests so we could verify doubtful information in those cases where the recorder was not available to us. A special acknowledgement is due to the many tape recorder manufacturers who furnished spec sheets on the heads used in their machines, as well as complete head mounting assemblies when these were needed.

The positive attitude we observed in response to our inquiries the open exchange of information the many instances of unselfish cooperation throughout the industry all these things leave us with the firm conviction that the future bodes well for the progress of tape recording.

The overwhelming majority of individuals and manufacturers we contacted were quick to see the need of such a program and were happy to work with us so this data could be made readily available to everyone who uses, services or distributes tape recorders.

We hope this Guide will prove to be a worthwhile reference source for magnetic tape head replacement information and our continued efforts in this area are being planned toward increasing the scope, coverage and value of the current edition.

THE NORTRONICS COMPANY, INC.

PLEASE NOTE

Every copy of this **Tape Head Replacement Guide** has two inserts which originally accompany it. One is a **Consumer Price Schedule**, giving prices for all Heads, Head-Kits and Quik-Kits listed in the Guide. The other is Nortronics newest **Head Specification Sheet** for use by those who desire detailed mechanical and electrical specifications of standard heads in the Nortronics line. If your copies should be missing or become lost, we will gladly replace them on request.

USING THIS GUIDE

THE NORTRONICS TAPE HEAD REPLACEMENT GUIDE has been carefully planned to place at your disposal all the facts you need to order replacements for the original heads on machines covered by this Guide. Every recorder is listed alphabetically by brand name and the various models of each manufacturer are given in numerical order. When several models of the same brand have identical functions and require the same replacement heads, these models are grouped together and also listed in numerical order within the group. The function and track type of the original heads is given next for each model or group of models, followed by the correct Nortronics replacement heads and Quik-Kit mounting hardware (where needed).

It should be borne in mind that all information in the listing refers to replacements and **NOT** to conversions. The difference between a replacement and a conversion is simply this: Installation of a new Nortronics head which has the same function and track type as the head originally supplied with the recorder is a *replacement*. Installing a new Nortronics head which differs from the original head in either function or track type is a *conversion*.

CONVERSION GUIDE

The Nortronics Company is preparing a separate Conversion Guide for those who wish to adapt their recorders to other modes of operation. When the Conversion Guide is used as a supplement to the information contained in this Replacement Guide, the tape enthusiast or service man will be able to make an optional selection from the widest possible range of functions and track types. Those desiring a copy of the Conversion Guide should send their request directly to Nortronics at the address given on the front cover. It will be mailed as soon as it is available. There is no charge for this publication.

GENERAL INFORMATION

The detailed replacement head listing begins on the next page and continues through Page 19. Some of the models listed have head mounting arrangements requiring an explanation which could not be given in the space available. The user is referred to a Note when such a reference is applicable and these Notes are on Page 20.

Suggestions for avoiding the possible pit-falls involved in ordering replacement heads for Tape decks are given next . . . and the Guide concludes with a word of encouragement for those who do not find their recorders covered in the present edition.

RECORDER MAKE AND MODEL NO.		ORIGINAL RECORDER FUNCTION	NORTRONICS REPLACEMENT	
			HEAD OR HEAD-KIT	QUIK- KIT
<u>AIRCASTLE</u>	795.880	R/P MONO 2-Track	3101	20
		ERASE MONO 2-Track	PERM. MAGNET	NONE
<u>AIRLINE</u>	GPL-3820A, GPL-3820B	R/P MONO 2-Track	3000	20
		ERASE MONO 2-Track	3601	18
	GPL-3822A	R/P STEREO 4-Track	1000	38
		ADD-A-SOUND HEAD 4-Track	1000	38
		ERASE STEREO 4-Track	1401	18
	3734, 3739-A, 3739-B	R/P MONO 2-Track	3000	20
		ERASE MONO 2-Track	PERM. MAGNET	NONE
	3821-A, 3841	R/P MONO 2-Track PLAY STER. 2&4 Tr.	1000	38
		ERASE MONO 2-Track	2201	18
	3829-A	R/P MONO 2-Track PLAY STEREO 4-Tr.	1000	38
		ERASE MONO 2-Track	PERM. MAGNET	NONE
	3842-A	R/P STEREO 4-Track	1000	38
		ERASE STEREO 4-Track	1401	18
<u>AMPLIFIER CORP. OF AMERICA</u>	ELECTRO MAGNE- MITE, MAGNE- MASTER	R/P MONO 2-Track	HK RPE-23	NONE
		ERASE MONO 2-Track	(See Note #1)	NONE
<u>AMPRO</u>	745	R/P MONO 2-Track	3101	20
		ERASE MONO 2-Track	NOT AVAIL.	NONE

RECORDER MAKE AND MODEL NO.	ORIGINAL RECORDER FUNCTION	NORTRONICS REPLACEMENT	
		HEAD OR HEAD-KIT	QUIK- KIT
AUDIOMATIC A-900	R/P MONO 2-Track PLAY STEREO 2&4 Tr.	1000	38
	ERASE MONO 2-Track	PERM. MAGNET	NONE
BELL & HOWELL 300-B, 300-M, 300-S	R/P MONO 2-Track	2600	105
	ERASE MONO 2-Track	3600	Included in QK-105
	600	R/P MONO 2-Track PLAY STEREO 2-Tr.	1800
		ERASE MONO 2-Track	Included in QK-101
	770, 775-G10 (Serial # ABOVE 2702)	R/P MONO 2-Track	2600
		ERASE MONO 2-Track	Included in QK-101
	775G-1, 775G-10 (serial BELOW 2702)	R/P MONO 2-Track	HK RPE-24
		ERASE MONO 2-Track	(See Note #2)
	785, 785C, 785L, 785X	R/P MONO 2-Track	3000
		ERASE MONO 2-Track	3601
	785-4TS	R/P MONO 4-Track PLAY STEREO 4-Tr.	1000
		ERASE MONO 4-Track	1401
BELL SOUND	RT-65B, RT-75, RT-204, TR-88, 2260, 2261	R/P MONO 2-Track	HK RPE-23
		ERASE MONO 2-Track	(See Note #1)
	BT-205-IB, T212, T216	R/P MONO 2-Track PLAY STEREO 2-Tr.	1800
		ERASE MONO 2-Track	3601

RECORDER MAKE AND MODEL NO.	ORIGINAL RECORDER FUNCTION	NORTRONICS REPLACEMENT	
		HEAD OR HEAD-KIT	QUIK- KIT
BELL SOUND BT-205-0B (continued)	R/P MONO 2-Track	HK RPE-24	NONE
	ERASE MONO 2-Track	(See Note #2)	NONE
	PLAY OFFSET STER. 2-Track	3000	20
T200, T210	R/P MONO 2-Track	3000	20
	ERASE MONO 2-Track	3601	18
T201	PLAY MONO 2-Track	3000	20
	PLAY STEREO 2-Track	1800	38
T202, T206	R/P MONO 2-Track	3000	20
	PLAY STEREO 2-Track	1800	38
	ERASE MONO 2-Track	3601	18
T203, T207-S, T208	R/P MONO 2-Track	3000	20
	R/P STEREO 2-Track	1800	38
	ERASE STEREO 2-Track	2201	18
T211	PLAY STEREO 2-Track	1800	38
T213, T218	R/P STEREO 2-Track	1800	38
	ERASE STEREO 2-Track	2201	18
T221	PLAY STEREO 2-Track	1800	38
	PLAY STEREO 4-Track	1000	38

RECORDER MAKE AND MODEL NO.		ORIGINAL RECORDER FUNCTION	NORTRONICS REPLACEMENT	
			HEAD OR HEAD-KIT	QUIK- KIT
<u>BELL SOUND</u> (continued)	T223, T228	R/P STEREO 2-Track	1800	38
		PLAY STEREO 4-Track	1000	38
		ERASE STEREO 2-Track	2201	18
	T238, T238-A, T300	R/P STEREO 4-Track	1000	38
		PLAY STEREO 2-Track	1800	38
		ERASE STEREO 4-Track	1401	18
	T-347	RECORD MONO & STER. 4-Track	1005	38
		PLAY MONO & STER. 4-Track	1000	38
		ERASE MONO & STER. 4-Track	1401	18
601, 603	R/P MONO & STEREO 4-Track	1001	103	
	ERASE MONO & STEREO 4-Track	1401	18	
<u>CAPITOL</u>	750, 752	R/P MONO 2-Track PLAY STEREO 2-Tr.	1800	38
		ERASE MONO 2-Track	3601	18
<u>COLUMBIA</u>	461, 462, 560	R/P MONO 2-Track	HK RPE-23	NONE
		ERASE MONO 2-Track	(See Note #1)	NONE
	570, 575	R/P MONO 2-Track PLAY STEREO 2-Tr.	1800	38
		ERASE MONO 2-Track	3601	18
<u>COLUMBIA- BELL & HOWELL</u>	350, 355	R/P MONO 2-Track	2600	105
		ERASE MONO 2-Track	3600	Included in OK-105

RECORDER MAKE AND MODEL NO.	ORIGINAL RECORDER FUNCTION	NORTRONICS REPLACEMENT		
		HEAD OR HEAD-KIT	QUIK- KIT	
<u>CONCORD</u> 220	R/P MONO 2-Track	HK RP-10	NONE	
	ERASE MONO 2-Track	3600	19	
	401	R/P MONO & STEREO 4-Track	1000	66
	ERASE MONO & STER. 4-Track	1400	19	
<u>CRESCENT</u> TR670, TR672, TR673, 903, 907, 2900, 9037	R/P MONO 2-Track	HK RPE-23	NONE	
	ERASE MONO 2-Track	(See Note #1)	NONE	
	730, 772, 790, 791, 792, 830, 870, 891, 892	R/P MONO 2-Track	3001	20
	ERASE MONO 2-Track	3601	18	
<u>EDUCORDER</u> <u>DUAL</u>	R/P MONO 2-Track	HK RPE-23	NONE	
	ERASE MONO 2-Track	(See Note #1)	NONE	
<u>EICO</u> RP 100K, RP 100W	RECORD MONO & STER. 4-Track	1005	38	
	PLAY MONO & STER. 4-Track	1001	38	
	ERASE MONO & STER. 4-Track	1401	18	
<u>EMC</u> 375 PLAYER	PLAY MONO 2-Track	3101	20	
	750 PLAYER	PLAY MONO 2-Track	3000	20
<u>FAIRFAX</u> WRC-1, WRG-2, WRG-3	R/P MONO 2-Track	3001	20	
	ERASE MONO 2-Track	3600	18	
<u>FEDERAL</u> <u>(FME)</u> 37B, 37C, 47A	R/P MONO 2-Track	HK RPE-24	NONE	
	ERASE MONO 2-Track	(See Note #2)	NONE	

RECORDER MAKE AND MODEL NO.		ORIGINAL RECORDER FUNCTION	NORTRONICS REPLACEMENT	
			HEAD OR HEAD-KIT	QUIK- KIT
<u>FUJIYA</u> FSR-765		R/P MONO & STEREO 4-Track	1001	66
		ERASE MONO & STER. 4-Track	1402	19
<u>GEMARK</u> 101		R/P MONO 2-Track	3000	20
		ERASE MONO 2-Track	PERM. MAGNET	NONE
<u>KNIGHT</u>	95-921, 96-485 (late) 96-590, 96RX635, 96RX675, 96RZ940, 99RZ177, 99RZ936	R/P MONO 2-Track	3101	20
		ERASE MONO 2-Track	PERM. MAGNET	NONE
	PR4F10, PR5A, PR5A1, PR176, PR177, 4001, 4002, KN 4020	R/P MONO 2-Track	3001	20
		ERASE MONO 2-Track	PERM. MAGNET	NONE
	KN 4000	RECORD MONO & STER. 4-Track	1005	38
		PLAY MONO & STEREO 4-Track	1000	38
		ERASE MONO & STER. 4-Track	1401	18
	KN 4010	R/P MONO 2-Track	3001	20
		ERASE MONO 2-Track	3601	18
	KN 4035	R/P MONO 2-Track	3000	20
		ERASE MONO 2-Track	PERM. MAGNET	NONE
	KN-4050	R/P MONO 2-Track	3000	20
		ERASE MONO 2-Track	3601	18
	KN 4060, KN 4310	R/P STEREO 4-Track	1000	38
		ERASE STEREO 4-Track	1401	18

RECORDER MAKE AND MODEL NO.		ORIGINAL RECORDER FUNCTION	NORTRONICS REPLACEMENT	
			HEAD OR HEAD-KIT	QUIK- KIT
<u>KNIGHT</u> (continued)	KN 4075	R/P STEREO 4-Track	1000	38
		PLAY STEREO 4-Track	1000	38
		ERASE STEREO 4-Track	1401	18
	KN 4100, KN 4110	R/P MONO 2-Track PLAY STEREO 4-Tr.	1000	38
		ERASE MONO 2-Track	PERM. MAGNET	NONE
	KN 4200	R/P MONO & STEREO 4-Track	1001	66
		ERASE MONO & STER. 4-Track	1401	19
<u>MAGNETIC RE- CORDING IND.</u>	VM-62-1	R/P MONO 2-Track	3101	20
		ERASE MONO 2-Track	NOT AVAIL.	NONE
<u>MASCO</u>	52, 52-C, 52-CR, 52-L, 52-LR, 52-R, 53, 53-R, D-37, D-37R, DC-37, DC-37R, LD-37, LD-37R	R/P MONO 2-Track	HK RPE-23	NONE
		ERASE MONO 2-Track	(See Note #1)	NONE
	500	R/P MONO 2-Track	HK RPE-24	NONE
		ERASE MONO 2-Track	(See Note #2)	NONE
<u>MITCHELL</u>	1290, 1425	R/P MONO 2-Track	HK RPE-23	NONE
		ERASE MONO 2-Track	(See Note #1)	NONE
<u>NEWCOMB</u>	SM-310	R/P STEREO 2-Track	1850	NONE
		ERASE STEREO 2-Track	2250	NONE
	SM-310-4	R/P STEREO 4-Track	1050	NONE
		ERASE STEREO 4-Track	1450	NONE

RECORDER MAKE AND MODEL NO.	ORIGINAL RECORDER FUNCTION	NORTRONICS REPLACEMENT	
		HEAD OR HEAD-KIT	QUIK- KIT
PENTRON CT-1, HF-400, HT-225, MP-2, NL-1, NL-2, NL-3, PMC, PMD-1, PT-W3, PT-1, PT-72, PT-74, RWN, T-90, TM-1, TM-56, TR-4, TR-10, 9T3C, 9T3M AR-62, XP-60 AR-62S NL-1S, NL-2S, NL-3S, PT-1S, PT-W3S, PT-72S, PT-74S, TM-4 NL-4 PB-A2, PB-1 XP-60S	R/P MONO 2-Track	3000	100
	ERASE MONO 2-Track	3600	300
	R/P MONO 2-Track	3000	20
	ERASE MONO 2-Track	3601	18
	R/P MONO 2-Track PLAY STEREO 2&4 Tr.	1000	38
	ERASE MONO 2-Track	3600	18
	R/P MONO 2-Track PLAY STEREO 2-Tr.	1800	38
	ERASE MONO 2-Track	3600	300
	R/P STEREO 4-Track	1000	38
	ERASE STEREO 4-Track	1401	18
	PLAY MONO 2-Track	3000	100
	R/P MONO 2-Track PLAY STEREO 2&4 Tr.	1000	38
	ERASE MONO 2-Track	3601	18
RCA SRT-301, SRT-401, SRT-402, SRT-403, SRT-403Q TR-3 1YB11, 1YB26, 1YC11	R/P MONO 2-Track	3101	20
	ERASE MONO 2-Track	PERM. MAGNET	NONE
	R/P MONO 2-Track PLAY STEREO 2-Tr.	1800	38
	ERASE MONO 2-Track	3601	18
	R/P STEREO 4-Track	1000	103
	ERASE STEREO 4-Track	1401	18

RECORDER MAKE AND MODEL NO.	ORIGINAL RECORDER FUNCTION	NORTRONICS REPLACEMENT	
		HEAD OR HEAD-KIT	QUIK- KIT
RCA (continued) 7TRC1, 7TR2, 7TR3, 8TR2, 8TR3	R/P MONO 2-Track	HK RPE-24	NONE
	ERASE MONO 2-Track	(See Note #2)	NONE
RECORDIO (See also WILCOX-GAY 210 220, 591, 602, R-603-A 230, 802 592 804 806 892	R/P MONO 2-Track	HK RP-1	NONE
	ERASE MONO 2-Track	PERM. MAGNET	NONE
	R/P MONO 2-Track	3001	20
	ERASE MONO 2-Track	3600	18
	R/P MONO 2-Track	3001	20
	ERASE MONO 2-Track	PERM. MAGNET	NONE
	R/P MONO 2-Track PLAY STEREO 4-Tr.	1000	38
	ERASE MONO 2-Track	PERM. MAGNET	NONE
	R/P MONO 2-Track PLAY STEREO 2-Tr.	1800	38
	ERASE MONO 2-Track	PERM. MAGNET	NONE
	R/P MONO 2-Track	3001	20
	ERASE MONO 2-Track	3601	18
	R/P MONO 2-Track PLAY STER. 2&4 Tr.	1000	38
	ERASE MONO 2-Track	3601	18
	R/P MONO 2-Track PLAY STEREO 4-Tr.	1000	38
	ERASE MONO 2-Track	PERM. MAGNET	NONE

RECORDER MAKE AND MODEL NO.	ORIGINAL RECORDER FUNCTION	NORTRONICS REPLACEMENT		
		HEAD OR HEAD-KIT	QUIK- KIT	
<u>REVERE</u> T-10, T-11, T-202, T-700, T-700-D, T-900, T-1100, T-1400, T-2000, all of T-70,000 Series, TR-20, TR-800, TR-800-D, TR-1000, TR-1200, TRS-25, TRS-26, TRS-27, TRS-850, TRS-852, TRS-862, TRS-1005, TRS-1025, TRS-1026, TRS-1205, TRS-1225, TRS-1226, TS-15, TS-16, TS-17, TS-750, TS-752, TS-762, TS-905, TS-925, TS-926, TS-1105, TS-1125, TS-1126, TS-1405, TS-1425, TS-1426, TS-2005, TS-2025	R/P MONO 2-Track	HK RPE-20	NONE	
	ERASE MONO 2-Track	(See Note #3)	NONE	
	T-11-4, T-204-4	R/P MONO 4-Track PLAY STER. 2&4 Tr.	HK RP-2	NONE
		ERASE MONO 4-Track	HK E-50	NONE
	T-100, TR-200, TS-300, TS-301	R/P MONO 2-Track	HK RPE-23	NONE
		ERASE MONO 2-Track	(See Note #1)	NONE
	T-204, T-1120	R/P MONO 2-Track PLAY STER. 2&4 Tr.	HK RPE-40	NONE
		ERASE MONO 2-Track	(See Note #4)	NONE
	T-500, TR-600	R/P MONO 2-Track	HK RPE-24	NONE
		ERASE MONO 2-Track	(See Note #2)	NONE
	T-2200, TS-2205, TS-2225	R/P MONO & STEREO 4-Track	HK RP-2	NONE
		ERASE MONO & STER. 4-Track	HK E-52	NONE
<u>ROBERTS</u> 1040, 1057	R/P MONO & STEREO 4-Track	1000	38	
	ERASE MONO & STER. 4-Track	1401	18	
<u>SENTINEL</u> 10	R/P MONO 2-Track	HK RPE-23	NONE	
	ERASE MONO 2-Track	(See Note #1)	NONE	

RECORDER MAKE AND MODEL NO.		ORIGINAL RECORDER FUNCTION	NORTRONICS REPLACEMENT		
			HEAD OR HEAD-KIT	QUIK- KIT	
<u>SILVERTONE</u>	232	R/P MONO 2&4 Tr. PLAY STER. 2&4 Tr.	1000	38	
		ERASE MONO 2 & 4 Track	1402	18	
	528.58000, 3070, 4070, 4072, 6070, 6072, 7070, 7072	R/P MONO 2-Track	HK RPE-23	NONE	
		ERASE MONO 2-Track	(See Note #1)	NONE	
	528.58001, 4690, 7059, 7060, 8057, 8058, 8070, 8072	R/P MONO 2-Track	3001	20	
		ERASE MONO 2-Track	3601	18	
	1232, 1234, 2234	R/P MONO 2&4 Tr. PLAY STER. 2&4 Tr.	1000	38	
		ERASE MONO 2 & 4 Track	1401	18	
	1236	R/P MONO & STEREO 2 & 4 Track	1000	103	
		ERASE MONO & STEREO 2 & 4 Track	1402	18	
	2232	R/P MONO 2-Track	2600	38	
		ERASE MONO 2-Track	3600	18	
	6074, 7074	R/P MONO 2-Track	HK RP-9	NONE	
		ERASE MONO 2-Track	3601	18	
	7065, 7066, 7076, 7080, 7081, 9076	R/P MONO 2-Track PLAY STEREO 2-Tr.	HK RP-8	NONE	
		ERASE MONO 2-Track	3600	18	
	8074	R/P MONO 2-Track	HK RP-9	NONE	
		ERASE MONO 2-Track	3600	18	
	<u>SONOGRAPH</u>	C-1, C-2, C-3, C-3A, C-4	R/P MONO 2-Track	HK RPE-23	NONE
			ERASE MONO 2-Track	(See Note #1)	NONE

RECORDER MAKE AND MODEL NO.	ORIGINAL RECORDER FUNCTION	NORTRONICS REPLACEMENT	
		HEAD OR HEAD-KIT	QUIK- KIT
<u>SONORA</u> 601	R/P MONO 2-Track	3000	20
	ERASE MONO 2-Track	3601	18
<u>SONY</u> 101	R/P MONO 2-Track	2601	102
	ERASE MONO 2-Track	HK E-54	NONE
	262-D	R/P MONO & STEREO 4-Track	1000 102
		ERASE MONO & STER. 4-Track	(See Note #5) 301
	262-SL	R/P MONO 4-Track PLAY STEREO 4-Tr.	1000 102
		ERASE MONO 4-Track	HK E-53 NONE
<u>SYLVANIA</u> 4901	R/P MONO 2-Track	HK RP-9	NONE
	ERASE MONO 2-Track	3600	18
<u>SYMPHONIC</u> S-300	R/P MONO 2-Track PLAY STEREO 2-Tr.	1800	38
	ERASE MONO 2-Track	3601	18
	BR-1200	R/P MONO 2-Track	3000 20
		PLAY OFFSET STEREO 2-Track	3000 20
		ERASE MONO 2-Track	3601 18
	R-1200	R/P MONO 2-Track	3000 20
		ERASE MONO 2-Track	3601 18
<u>TAPEMASTER</u> PT-121, PT-125, TH-21	R/P MONO 2-Track	HK RPE-24	NONE
	ERASE MONO 2-Track	(See Note #2)	NONE

RECORDER MAKE AND MODEL NO.	ORIGINAL RECORDER FUNCTION	NORTRONICS REPLACEMENT	
		HEAD OR HEAD-KIT	QUIK- KIT
<u>TAPESONIC</u> 70-B	R/P MONO 2-Track	3101	20
	ERASE MONO 2-Track	3601	18
<u>TDC</u> <u>STEREOTONE</u> 130	R/P MONO 2-Track	2600	105
	ERASE MONO 2-Track	3600	Included in QK-105
<u>TELECTRO</u> Model A, TR-48, 556	R/P MONO 2-Track	3101	20
	ERASE MONO 2-Track	PERM. MAGNET	NONE
	MM113, MR511	R/P MONO 2-Track	3001 20
		ERASE MONO 2-Track	PERM. MAGNET NONE
	SS461	R/P MONO & STEREO 2 & 4 Track	1000 38
		SPECIAL SIMUL- TRACK PLAY HEAD	1000 38
		ERASE MONO & STER. 4-Track	1401 18
	300, 333, 360, SR441	R/P MONO 2-Track PLAY STEREO 4-Tr.	1000 38
		ERASE MONO 2-Track	3601 18
	350, 359, MR241	R/P MONO 2-Track	3000 20
		ERASE MONO 2-Track	3601 18
	400	R/P STEREO 4-Track	1000 38
		ERASE STEREO 4-Track	1401 18
1960, 1965, 1970	R/P MONO 2-Track	3000	20
	ERASE MONO 2-Track	PERM. MAGNET	NONE

RECORDER MAKE AND MODEL NO.	ORIGINAL RECORDER FUNCTION	NORTRONICS REPLACEMENT	
		HEAD OR HEAD-KIT	QUIK- KIT
<u>TELECTRO</u> 1975 (continued)	R/P MONO 2-Track PLAY STER. 2&4 Tr.	1000	38
	ERASE MONO 2-Track	PERM. MAGNET	NONE
1980	PLAY MONO & STEREO Full & 2-Tr. Mono 2 & 4 Tr. Stereo	1000	38
<u>TOWER</u> 4691	R/P MONO 2-Track	HK RP-9	NONE
	ERASE MONO 2-Track	3600	18
	R/P MONO 2-Track	3000	20
	ERASE MONO 2-Track	PERM. MAGNET	NONE
<u>TRAV-LER</u> TT591, TT593, TT595	R/P MONO 2-Track	3000	20
	ERASE MONO 2-Track	3601	18
	R/P MONO 4-Track PLAY STER. 2&4 Tr.	1000	38
	ERASE MONO 4-Track	1401	18
<u>TRUETONE</u> 4DC7270	R/P MONO 2-Track	3000	20
	ERASE MONO 2-Track	3601	18
V-M . 700, 701, 710, (Voice of 710A, 730 Music)	R/P MONO 2-Track	3000	20
	ERASE MONO 2-Track	3601	18
	R/P MONO 2-Track	3000	20
	PLAY OFFSET STEREO 2-Track	3000	20
	ERASE MONO 2-Track	3601	18

RECORDER MAKE AND MODEL NO.	ORIGINAL RECORDER FUNCTION	NORTRONICS REPLACEMENT	
		HEAD OR HEAD-KIT	QUIK- KIT
<u>V-M</u> 714, 750A, 1000 (continued)	R/P MONO 2-Track	3000	20.
	PLAY INLINE STEREO 2-Track	1800	38
	ERASE MONO 2-Track	3601	18
720, 755, 1001-1, 1001-2, 1002-1, 1002-2	R/P MONO 4-Track PLAY STEREO 4-Tr.	1000	38
	PLAY STEREO 2-Track	1800	38
	ERASE MONO 4-Track	1401	18
722	R/P MONO & STEREO 4-Track	1000	38
	PLAY STEREO 2-Track	1800	38
	ERASE MONO & STEREO 4-Track	1401	18
<u>WEBCOR</u> 2001, 2009, 2206-1, 2810, 2811, 2812, 2816, 2819, 2891, 2892, 2896, 2910, 2919	R/P MONO 2-Track	-HK RP-5	NONE
	ERASE MONO 2-Track	HK E-58	NONE
	R/P MONO & STEREO 4-Track	1000	NONE
	ERASE MONO & STEREO 4-Track	HK E-51	NONE
	R/P MONO 2-Track PLAY STEREO 2&4 Tr.	1000	NONE
	ERASE MONO 2-Track	HK E-58	NONE
2202, 2202-1, 2205, 2205-1, 2300	R/P MONO 2-Track	HK RP-4	NONE
	ERASE MONO 2-Track	HK E-58	NONE
2300-1	R/P MONO 2-Track	3100	NONE
	ERASE MONO 2-Track	HK E-58	NONE

RECORDER MAKE AND MODEL NO.	ORIGINAL RECORDER FUNCTION	NORTRONICS REPLACEMENT	
		HEAD OR HEAD-KIT	QUIK- KIT
<u>WEBCOR</u> (continued) 2820, 2820-1C, 2821, 2822, 2827, 2897, 2923, 2950, 2955	R/P MONO 2-Track	HK RP-5	NONE
	R/P MONO 2-Track PLAY STEREO 2-Tr.	HK RP-6	NONE
	ERASE MONO 2-Track	HK E-58	NONE
<u>WESTINGHOUSE</u> H22RS, H24RS	R/P MONO & STEREO 4-Track	1000	38
	SPEC. DUA-TRACK PLAY - 4-Track	1000	38
	ERASE MONO & STEREO 4-Track	1401	18
<u>WILCOX-GAY</u> 5A, 5B, 5F, 5M, (See also 5U, 2A10 (late), RECORDIO) 2A10-B, 2A11, 2A11-B, 3A10, 3A11, 3F10, 4A10, 4B10, 4F10, 375, 651, 674, 686, 702, 712, 732, 750, 752, 762, 772, 782	R/P MONO 2-Track	3101	20
	ERASE MONO 2-Track	PERM. MAGNET	NONE
800 (Both heads are 2-Track Stereo. Can erase and record stereo with addition of recording ampli- fier for second channel).	R/P MONO 2-Track PLAY STEREO 2-Tr.	1800	38
	ERASE MONO 2-Track	2201	18
810	R/P MONO 2-Track PLAY STEREO 2-Tr.	1851	NONE
	ERASE MONO 2-Track	PERM. MAGNET	NONE
860	R/P MONO 2-Track	3051	NONE
	ERASE MONO 2-Track	PERM. MAGNET	NONE

RECORDER MAKE AND MODEL NO.	ORIGINAL RECORDER FUNCTION	NORTRONICS REPLACEMENT	
		HEAD OR HEAD-KIT	QUIK- KIT
<u>WOLLENSAK</u> T-1500, T-1570, TS-1520, T-1600, T-1700, T-1800 and all other MONO models.	R/P MONO 2-Track	HK RPE-20	NONE
	ERASE MONO 2-Track	(See Note #3)	NONE
	T-1515, T-1515-2	R/P MONO 2-Track PLAY STEREO 2&4 Tr.	HK RPE-40 NONE
T-1515-4, T-1616-4, T-1818	ERASE MONO 2-Track	(See Note #4)	NONE
	R/P MONO 4-Track PLAY STEREO 2&4 Tr.	HK RP-2	NONE
	ERASE MONO 4-Track	HK E-50	NONE
NOTES 1 THROUGH 5 MENTIONED IN THE FOREGOING LISTING WILL BE FOUND ON THE FOLLOWING PAGE.			

NOTE #1:

Head Kit RPE-23 is a premium quality Nortronics replacement for the following older types: **SHURE:** 815, TR5, TR5A, TR5B, TR5B-J, TR5D, TR5H, TR5N, TR5N-J and **ROBINS/SHURE:** 5TRB. It consists of a 2-Track Mono R/P Head and a 2-Track Mono Erase Head mounted in a specially designed case. Both heads have full metal faces and feature superior performance. The RPE-23 is supplied with a versatile cable assembly and is ready for installation on the recorder.

NOTE #2:

Head Kit RPE-24 is identical in quality, appearance and performance to the RPE-23 Head Kit described in Note #1. The sole difference between them is the use of a high impedance R/P Head in the RPE-24 for use with recorders requiring this type. The RPE-24 replaces the following older types: **SHURE:** 815H, TR5C, TR5K, TR5L, TR5Z-1, TR5Z-2 and TR5Z-2J.

NOTE #3:

Head Kit RPE-20 is a complete replacement head assembly for later Revere and all Wollensak Monophonic tape recorders. It consists of a 2-Track Mono R/P Head and a 2-Track Mono Erase Head, both mounted on a special plate with a plug-in cable assembly, ready for installation.

NOTE #4:

Head Kit RPE-40 is a complete replacement head assembly for Revere and Wollensak Monophonic tape recorders which originally featured 2-Track Stereo playback. It consists of a 4-Track Stereo R/P Head and a 2-Track Mono Erase Head, both mounted on a special plate with a plug-in cable assembly, ready for installation. By means of a screwdriver adjustment, the R/P Head may be shifted to play either 2 or 4-Track Stereo tapes.

NOTE #5:

The Sony 262-D tape deck is equipped with a high impedance 4-Track Stereo R/P Head and an exceptionally low impedance 4-Track Stereo Erase Head. This erase head is **NOT** compatible with the majority of American-made electronics. If the Sony SRA-2 Recording Amplifier is used with this deck, order Head Kit E-53 for an Erase Head replacement. No Quik-Kit is required with the E-53 Head Kit. The table below lists several popular recording amplifiers which are also used with the 262-D deck. The correct heads for Record/Play and Erase are given for each type, together with the Quik-Kits needed to mount the heads. If you are using electronics other than those listed, Nortronics will gladly supply the proper head recommendations on request.

BELL SOUND RP-120, RP-220:

R/P Head: #1000 and QK-102. Erase Head: #1401 and QK-301

KNIGHT KP-70, KN-4002:

R/P Head: #1000 and QK-102. Erase Head: #1401 and QK-301

NORTRONICS RA-100:

R/P Head: #1000 and QK-102. Erase Head: #1400 and QK-301

VIKING RA-72, RP-61, RP-62, RP-62C3, RP-73, RP-83:

R/P Head: #1000 and QK-102. Erase Head: #1400 and QK-301

TAPE DECKS

A tape deck or transport is usually defined as being the electro/mechanical assembly which serves to handle the tape itself. The tape heads for erase, recording and/or playback are considered a part of the deck but the choice of *electronics* for recording and playback is left to the discretion of the deck owner. Thus, any transport which comes equipped *with* record/play electronics (but not power amplifiers or speakers) is considered as being a basic recorder, not a tape deck. If the necessary power amplifier(s) are also included, the complete unit is generally referred to as an integrated or "package" recorder.

In all cases where tape *decks* are involved, it is important to remember that the replacement information given in this Guide is based on the heads originally supplied with the deck. Since most manufacturers of tape decks also offer record/play electronics, these heads are nearly always intended for use with their own equipment and are not necessarily compatible with the R/P electronics of other manufacturers.

Because of the wide variety of electronics which **COULD** be used with a tape deck (including special designs or modifications of existing equipment made by thousands of tape enthusiasts), there is no practical way of listing replacement head information for all the possible combinations. For this reason, it is good procedure in **ALL** cases where tape decks are involved to verify the brand name and model number of the electronics being utilized for recording and playback. Selection of replacement heads should then be based on the requirements of the electronics.

In those cases where the individual designs his own circuit or modifies an existing one for a special purpose, there is no problem as he already knows the correct inductance, impedance, track type, function, etc. of the heads he needs since he initially required this information to obtain proper functioning of his design.

IF YOUR RECORDER ISN'T LISTED . . . try not to be too impatient. The total number of different brands and models placed on the market is huge and recorders are being processed as quickly as possible. To make the replacement head program workable, we have divided this total market into three major groups:

1. Recorders of domestic manufacture in the medium-price class.
2. Professional recorders of domestic manufacture such as Ampex, early Berlant/Concertone, Crown, Magnecord, etc. Some work has already been done on this group and Form #7127 (available on request directly from Nortronics) describes the heads and special mounting hardware now ready for machines in this group.
3. Imported recorders such as current Concertone models, Concord, Grundig, Luxor, Norelco, Phillips, Roberts, Sony, Tandberg, etc.

Concentrating on one group at a time enables us to cover more machines than we would otherwise be able to do. We don't *ignore* recorders in other groups . . . which accounts for why there are partial model listings of certain brands (such as Sony, for example) . . . but our primary attention is directed toward machines in the group we are working on. Future editions will have many new listings. We hope yours is among them!